ELSEVIER

Journal of Organometallic Chemistry 555 (1998) 301

Journal of Organometallic Chemistry

Author index of Volume 555

Abdul Malik, K.M., 285
Abiven, P., 89
Anano, H., 167
Antelmann, B., 119
Atherton, M.J., 67
Azam, K.A., 285

Badyal, K., 279
Barbaro, P., 255
Benetollo, F., 177
Bernat, P., 237
Boncella, J.M., 1
Brožek, J., 237

Calderazzo, F., 49
Calderón, R., 113
Čásenský, B., 237
Cave, G.W., 81
Cavinato, G., 177
Černý, Z., 237
Chopa, A.B., 151
Chou, S.-S.P., 227
Crosara, L., 177

da Silva, M.W., 35
Delgado, S., 57
Ding, H., 293
Diversi, P., 135
Dyker, G., 141

Englert, U., 49
Ermini, V., 135

Fawcett, J., 67
Fawzi, R., 247
Fusek, J., 237

Ghilardi, C.A., 255
Gibbons, M.N., 271
Glas, H., 293
González-Velasco, J., 57
Granell, J., 211

Hemling, H., 201
Herberhold, M., 187
Herrmann, W.A., 293
Hibbs, D.E., 35
Hockless, D.C., 25
Hofmann, A., 187
Holloway, J.H., 67
Homer, J., 279
Hope, E.G., 67
Hossain, M.A., 285
Humphrey, M.G., 25
Hursthouse, M.B., 35, 285
Huttner, G., 119

Ingrosso, G., 135

Jantschak, A., 263

Kabir, S.E., 285
Kellner, A., 141
Kivekäs, R., 17
Koll, L.C., 151
Kratzer, R.M., 293
Kříž, O., 237

Lehtonen, A., 127
Leino, R., 127
Lindner, E., 247
Liu, S.-H., 227
Logothetis, G., 101
López, C., 211
Lucherini, A., 135
Luttikhedde, H.J., 127
Lydon, D.P., 81

Macazaga, M.-J., 57
Maderuelo, R., 57
Malik, K.M., 35
Mandolesi, S.D., 151
Mar Abad, M., 17
Marcos, M.-L., 57
Martin, S.M., 67
Mattheis, C., 5
McWhinnie, W.R., 279
Medina, R., 57
Midollini, S., 255
Milani, F., 177
Milius, W., 187
Moreno, C., 57
Muir, K.W., 89

Näsman, J.H., 127

Orlandini, A., 255
Orrell, K.G., 35
Osborne, A.G., 35

Pampaloni, G., 49
Pautz, S., 247
Perry, M.C., 279
Pétillon, F.Y., 89
Pinzino, C., 135
Podestá, J.C., 151
Popelier, P.L., 101

Ramirez, J.A., 255
Richardson, D.E., 1
Roda, J., 237
Rossetto, G., 177
Rourke, J.P., 81
Rumin, R., 89
Russell, D.R., 67

Sato, M., 167
Saunders, G.C., 67
Scapacci, G., 255
Scelza, C., 177
Schumann, H., 201
Shafiq, F.A., 1
Šik, V., 35
Sillanpää, R., 17
Simoncini, F., 135
Sowerby, D.B., 271
Steimann, M., 247

Tachikawa, H., 161
Taube, R., 201
Teixidor, F., 17
Thiel, W.R., 293
Tripepi, G., 49

Uhl, W., 263

Vahrenkamp, H., 113, 285
van der Zeijden, A.A., 5
Vassilev, N.G., 35
Viñas, C., 17

Waterman, S.M., 25
Windisch, H., 201
Winterhalter, U., 119

Zanella, P., 177

PII S0022-328X(97)00475-6

ELSEVIER

Journal of Organometallic Chemistry 555 (1998) 303–306

Journal of Organometallic Chemistry

Subject index of Volume 555

Ab initio
Characterization of an agostic bond on the basis of the electron density, 101
Agostic
Characterization of an agostic bond on the basis of the electron density, 101
Alkylidyne
Reactions of dinuclear and polynuclear complexes XIX. Rearrangements of terminal or disubstituted alkyne ligands present in homo- and heterodinuclear complexes of cobalt and molybdenum during reactions with molybdenum and cobalt carbonyl compounds: formation of trinuclear and tetranuclear clusters, 89
Alkyne
Reactions of dinuclear and polynuclear complexes XIX. Rearrangements of terminal or disubstituted alkyne ligands present in homo- and heterodinuclear complexes of cobalt and molybdenum during reactions with molybdenum and cobalt carbonyl compounds: formation of trinuclear and tetranuclear clusters, 89
Ansa-zirconocene
Bis(triisopropylsiloxyindenyl) zirconocenes, 127
Antimony(V)
Reactions of $[SbR_3X_2]_2O$ with carboxylates and the crystal structures of $[SbPh_3(O_2CCF_3)_2]_2O$ and $[SbMe_3(O_2CCH_3)_2]_2O$, 271
1,2-Asymmetric induction
1,2-Asymmetric induction in the radical addition of organotin hydrides to (−)-menthyl(*E*)-2,3-disubstituted propenoates, 151

Bis(η^3-allyl) lanthanum(III) halides
Komplexkatalyse: LIII. Darstellung und Charakterisierung der Bis(η^3-allyl)lanthanhalogenid-Komplexe $La(\eta^3\text{-}C_3H_5)_2X \cdot 2THF$ (X = Cl, Br, I) als Präkatalysatoren für die stereospezifische Butadienpolymerisation, ein Beitrag zur weiteren Klärung der katalytischen Struktur-Wirkungsbeziehung, 201
1,2-Bis{bis(pentafluorophenyl)phosphino}ethane
Activation of C–F and C–H bonds by polyalkylcyclopentadienylrhodium complexes: crystal structure of $[(\eta^5\text{-}C_5Me_4Et)RhCl\{(C_6F_5)_2PCH_2CH_2P(C_6F_5)_2\}]^+ \cdot BF_4^-$, 67
Bis-imine ligand
Stereochemically non-rigid transition metal complexes of 2,6-bis[1-(phenylimino)ethyl]pyridine (BIP). Part 3. Dynamic NMR studies of *fac*-$[PtXMe_3(BIP)]$ (X = Cl, Br, or I). Crystal structure of *fac*-$[PtIMe_3(BIP)]$, 35
Butadienpolymerisation
Komplexkatalyse: LIII. Darstellung und Charakterisierung der Bis(η^3-allyl)lanthanhalogenid-Komplexe $La(\eta^3\text{-}C_3H_5)_2X \cdot 2THF$ (X = Cl, Br, I) als Präkatalysatoren für die stereospezifische Butadienpolymerisation, ein Beitrag zur weiteren Klärung der katalytischen Struktur-Wirkungsbeziehung, 201
Caprolactamate
Synthesis, characterisation and properties of magnesium di(ε-caprolactamate), 237
Carbonyl
Mixed-metal cluster chemistry VIII[1]: phosphite substitution at $[CpWIr_3(CO)_{11}]$; X-ray crystal structure of $[CpWIr_3(\mu\text{-}CO)_3(CO)_6\{P(OPh)_3\}_2]$, 25
Photochemical reaction of $Re_2(CO)_{10}$ with tetramethylthiourea; structural characterization of two novel pentarhenium carbonyl complexes containing sulfido and tetramethyldiaminocarbene ligands, $[Re_5(CO)_{17}(\mu\text{-}R)(\mu_4\text{-}S)_2\{C(NMe_2)_2\}_2]$ (R = SH or OH), 285
Carbonyl complexes
Stabilization of 17-electron metal-centered species. Electrochemical study of $[WX(CO)_3(\eta^5\text{-}C_5H_5)]$ (X = Cl, Br, I) and $[WI(CO)_2(PCy_3)(\eta^5\text{-}C_5H_5)]$, 57
Carboranes
Reactions of Pd(II) with *closo*-1,2-dicarbadodecaborane-1,2-diphosphines, 17
Carboxylates
Reactions of $[SbR_3X_2]_2O$ with carboxylates and the crystal structures of $[SbPh_3(O_2CCF_3)_2]_2O$ and $[SbMe_3(O_2CCH_3)_2]_2O$, 271
Catalysis
Methyltrioxorhenium/pyrazole—A highly efficient catalyst for the epoxidation of olefins, 293
C–F bond activation
Activation of C–F and C–H bonds by polyalkylcyclopentadienylrhodium complexes: crystal structure of $[(\eta^5\text{-}C_5Me_4Et)RhCl\{(C_6F_5)_2PCH_2CH_2P(C_6F_5)_2\}]^+ \cdot BF_4^-$, 67
Charge density
Characterization of an agostic bond on the basis of the electron density, 101
C–H bond activation
Activation of C–F and C–H bonds by polyalkylcyclopentadienylrhodium complexes: crystal structure of $[(\eta^5\text{-}C_5Me_4Et)RhCl\{(C_6F_5)_2PCH_2CH_2P(C_6F_5)_2\}]^+ \cdot BF_4^-$, 67
Chloride-bridged
Reactions of Pd(II) with *closo*-1,2-dicarbadodecaborane-1,2-diphosphines, 17
Cluster
A facile high-yield synthesis of the tetrahedral gallium(I) compounds $Ga_4[C(SiMe_2R)_3]_4$—crystal structure of $Ga_4[C(SiMe_2Et)_3]_4$, 263
Mixed-metal cluster chemistry VIII[1]: phosphite substitution at $[CpWIr_3(CO)_{11}]$; X-ray crystal structure of $[CpWIr_3(\mu\text{-}CO)_3(CO)_6\{P(OPh)_3\}_2]$, 25
Cobalt
Reactions of dinuclear and polynuclear complexes XIX. Rearrangements of terminal or disubstituted alkyne ligands present in homo- and heterodinuclear complexes of cobalt and molybdenum during reactions with molybdenum and cobalt carbonyl compounds: formation of trinuclear and tetranuclear clusters, 89

PII S0022-328X(97)00476-8

Coordinated ligand
Different reactivity of the Ru–O bond in the chelated [(methoxyethyl)diphenylphosphine]ruthenium(II) complexes $[(\eta^6\text{-}C_6Me_6)Ru(P^{\frown}O)X][BR_4]$ in dependence on X = Cl and CH_3, 247
Crystal Structure
Activation of C–F and C–H bonds by polyalkylcyclopentadienylrhodium complexes: crystal structure of $[(\eta^5\text{-}C_5Me_4Et)RhCl\{(C_6F_5)_2PCH_2CH_2P(C_6F_5)_2\}]^+ \cdot BF_4^-$, 67
Interaction of methylmercury(II) with the bifunctional ligand *o*-diphenylphosphinobenzoate, dpb. Synthesis and characterization of [(dpb)HgMe] and [(dpbo)HgMe], dpbo = *o*-diphenylphosphinoxidebenzoate, 255
Mixed-metal cluster chemistry VIII[1]: phosphite substitution at $[CpWIr_3(CO)_{11}]$; X-ray crystal structure of $[CpWIr_3(\mu\text{-}CO)_3(CO)_6\{P(OPh)_3\}_2]$, 25
New O- and N-bonded zirconocene complexes and their catalytic properties in ethylene polymerization. X-ray crystal structure of $(C_5H_5)_2Zr\{2,6\text{-}OC_6H_3(CH_3)_2\}_2$, $(C_5H_5)_2Zr\{2,4,6\text{-}OC_6H_2(CH_3)_3\}_2$ and $(C_5H_5)_2Zr(CH_3)\{CH(NC_6H_5)_2\}$, 177
Photochemical reaction of $Re_2(CO)_{10}$ with tetramethylthiourea; structural characterization of two novel pentarhenium carbonyl complexes containing sulfido and tetramethyldiaminocarbene ligands, $[Re_5(CO)_{17}(\mu\text{-}R)(\mu_4\text{-}S)_2\{C(NMe_2)_2\}_2]$ (R = SH or OH), 285
Reactions of $[SbR_3X_2]_2O$ with carboxylates and the crystal structures of $[SbPh_3(O_2CCF_3)_2]_2O$ and $[SbMe_3(O_2CCH_3)_2]_2O$, 271
Cyclopalladated
Influences of the electronic and steric effects of the substituents in cyclopalladation of ferrocenylhydrazones, 211
Cyclopalladation
Cyclopalladated Schiff's base liquid crystals: the effect of the acac group on the thermal behaviour, 81
Cyclopentadienyl
Mixed-metal cluster chemistry VIII[1]: phosphite substitution at $[CpWIr_3(CO)_{11}]$; X-ray crystal structure of $[CpWIr_3(\mu\text{-}CO)_3(CO)_6\{P(OPh)_3\}_2]$, 25
Stabilization of 17-electron metal-centered species. Electrochemical study of $[WX(CO)_3(\eta^5\text{-}C_5H_5)]$ (X = Cl, Br, I) and $[WI(CO)_2(PCy_3)(\eta^5\text{-}C_5H_5)]$, 57

Degradation
Reactions of Pd(II) with *closo*-1,2-dicarbadodecaborane-1,2-diphosphines, 17
Derative
The tetracyclopentadienyls of titanium, zirconium and hafnium: new synthetic procedures and reactivity, 49
2D-EXSY NMR
Stereochemically non-rigid transition metal complexes of 2,6-bis[1-(phenylimino)ethyl]pyridine (BIP). Part 3. Dynamic NMR studies of *fac*-$[PtXMe_3(BIP)]$ (X = C1, Br, or I). Crystal structure of *fac*-$[PtIMe_3(BIP)]$, 35
Dichlorides
Titanocenes and zirconocenes with (chiral) *O*-functionalized side chains on the Cp ring, 5
Diene complexes
Nucleophilic additions of phenylsulfonyl-substituted tricarbonyl(1,3-cyclohexadiene)iron complexes, 227
Diphosphines
Reactions of Pd(II) with *closo*-1,2-dicarbadodecaborane-1,2-diphosphines, 17
Direct MO dynamics
Photoreaction dynamics of permethylcyclohexasilane $(Me_2Si)_6$ via triplet state surface: A direct MO dynamics study, 161

Electrochemistry
Stabilization of 17-electron metal-centered species. Electrochemical study of $[WX(CO)_3(\eta^5\text{-}C_5H_5)]$ (X = Cl, Br, I) and $[WI(CO)_2(PCy_3)(\eta^5\text{-}C_5H_5)]$, 57
Electron transfer behaviour
Oxidatively induced metal–carbon bond cleavage reactions in iridium dimethyl complexes: formation of cationic pyridine and nitrosyl iridium(III) alkyl derivatives, 135
EPR spectroscopy
Oxidatively induced metal–carbon bond cleavage reactions in iridium dimethyl complexes: formation of cationic pyridine and nitrosyl iridium(III) alkyl derivatives, 135
Ether–phosphine ligands
Different reactivity of the Ru–O bond in the chelated [(methoxyethyl)diphenylphosphine]ruthenium(II) complexes $[(\eta^6\text{-}C_6Me_6)Ru(P^{\frown}O)X][BR_4]$ in dependence on X = Cl and CH_3, 247
Ethylene polimerization
New O- and N-bonded zirconocene complexes and their catalytic properties in ethylene polymerization. X-ray crystal structure of $(C_5H_5)_2Zr\{2,6\text{-}OC_6H_3(CH_3)_2\}_2$, $(C_5H_5)_2Zr\{2,4,6\text{-}OC_6H_2(CH_3)_3\}_2$ and $(C_5H_5)_2Zr(CH_3)\{CH(NC_6H_5)_2\}$, 177

Ferracyclopentadiene ring
Reactivity of $Fe_3(CO)_9(\mu_3\text{-}C_2Et_2)$. Synthesis and structures of $Fe_2(CO)_6\{C_2Et_2C[CH_2N(Me)CH_2Ph]CH\}$ and $Fe_3(CO)_8\{C_2Et_2C(H)C[CH_2N(Me)CH_2Ph]\}$, 113
Ferrocene
Phosphor(III)- und Phosphor(V)-Verbindungen mit Ferrocenolato- und 1,1′-Ferrocendiolato-Substituenten, 187
The transition-metal complexes of the thiamacrocycle containing two ferrocene nuclei in the main chain. Synthesis, properties, and molecular structure of Ag(I), Cu(I), Pd(II), and Pt(II) complexes of 1,5,16,21-tetrathia[5.5]ferrocenophane, 167
Ferrocenolato substituents
Phosphor(III)- und Phosphor(V)-Verbindungen mit Ferrocenolato- und 1,1′-Ferrocendiolato-Substituenten, 187
Ferrocenophanes
Phosphor(III)- und Phosphor(V)-Verbindungen mit Ferrocenolato- und 1,1′-Ferrocendiolato-Substituenten, 187
Ferrocenylhydrazones
Influences of the electronic and steric effects of the substituents in cyclopalladation of ferrocenylhydrazones, 211
Fluxionality
Stereochemically non-rigid transition metal complexes of 2,6-bis[1-(phenylimino)ethyl]pyridine (BIP). Part 3. Dynamic NMR studies of *fac*-$[PtXMe_3(BIP)]$ (X = C1, Br, or I). Crystal structure of *fac*-$[PtIMe_3(BIP)]$, 35
Functionalized cyclopentadienyl
Tripod-Liganden mit Cyclopentadienyl-Donorgruppe: Aufbau und Reaktionen des Tripod-Mo-Templats $CH_3C(CH_2\text{-}\eta^5\text{-}C_5H_4)(CH_2PPh_2)_2Mo$, 119

Gallium
A facile high-yield synthesis of the tetrahedral gallium(I) compounds $Ga_4[C(SiMe_2R)_3]_4$—crystal structure of $Ga_4[C(SiMe_2Et)_3]_4$, 263

Heck reaction
A survey of reaction conditions for palladium-catalyzed processes, 141
Heterotetrametallics
Reactions of dinuclear and polynuclear complexes XIX. Rearrangements of terminal or disubstituted alkyne ligands present in homo- and heterodinuclear complexes of cobalt and molybdenum during reactions with molybdenum and cobalt carbonyl compounds: formation of trinuclear and tetranuclear clusters, 89

Heterotrimetallics
Reactions of dinuclear and polynuclear complexes XIX. Rearrangements of terminal or disubstituted alkyne ligands present in homo- and heterodinuclear complexes of cobalt and molybdenum during reactions with molybdenum and cobalt carbonyl compounds: formation of trinuclear and tetranuclear clusters, 89
Hydrolysis
Reactions of $[SbR_3X_2]_2O$ with carboxylates and the crystal structures of $[SbPh_3(O_2CCF_3)_2]_2O$ and $[SbMe_3(O_2CCH_3)_2]_2O$, 271

Indenyl
Bis(triisopropylsiloxyindenyl) zirconocenes, 127
Iridium
Mixed-metal cluster chemistry VIII[1]: phosphite substitution at $[CpWIr_3(CO)_{11}]$; X-ray crystal structure of $[CpWIr_3(\mu\text{-}CO)_3(CO)_6\{P(OPh)_3\}_2]$, 25
Iridium–carbon bond cleavage
Oxidatively induced metal–carbon bond cleavage reactions in iridium dimethyl complexes: formation of cationic pyridine and nitrosyl iridium(III) alkyl derivatives, 135
Iron
Nucleophilic additions of phenylsulfonyl-substituted tricarbonyl(1,3-cyclohexadiene)iron complexes, 227

Ligand
Reactivity of $Fe_3(CO)_9(\mu_3\text{-}C_2Et_2)$. Synthesis and structures of $Fe_2(CO)_6\{C_2Et_2C[CH_2N(Me)CH_2Ph]CH\}$ and $Fe_3(CO)_8\{C_2Et_2C(H)C[CH_2N(Me)CH_2Ph]\}$, 113
Liquid crystals
Cyclopalladated Schiff's base liquid crystals: the effect of the acac group on the thermal behaviour, 81
Low oxidation state
A facile high-yield synthesis of the tetrahedral gallium(I) compounds $Ga_4[C(SiMe_2R)_3]_4$—crystal structure of $Ga_4[C(SiMe_2Et)_3]_4$, 263

Magnesium
Synthesis, characterisation and properties of magnesium di(ε-caprolactamate), 237
(−)-Menthyl(*E*)-2,3-disubstituted propenoates
1,2-Asymmetric induction in the radical addition of organotin hydrides to (−)-menthyl(*E*)-2,3-disubstituted propenoates, 151
Mesogenic
Cyclopalladated Schiff's base liquid crystals: the effect of the acac group on the thermal behaviour, 81
Metallocenes
Synthesis of new mixed ring zirconocenes and evidence of ring loss, 1
Methylmercury
Interaction of methylmercury(II) with the bifunctional ligand *o*-diphenylphosphinobenzoate, dpb. Synthesis and characterization of [(dpb)HgMe] and [(dpbo)HgMe], dpbo = *o*-diphenylphosphinoxidebenzoate, 255
Methyltrioxorhenium
Methyltrioxorhenium/pyrazole—A highly efficient catalyst for the epoxidation of olefins, 293
Molybdenum
Reactions of dinuclear and polynuclear complexes XIX. Rearrangements of terminal or disubstituted alkyne ligands present in homo- and heterodinuclear complexes of cobalt and molybdenum during reactions with molybdenum and cobalt carbonyl compounds: formation of trinuclear and tetranuclear clusters, 89
Molybdenum complexes
Tripod-Liganden mit Cyclopentadienyl-Donorgruppe: Aufbau und Reaktionen des Tripod-Mo-Templats $CH_3C(CH_2\text{-}\eta^5\text{-}C_5H_4)(CH_2PPh_2)_2Mo$, 119

NMR spectra
Reactions of $[SbR_3X_2]_2O$ with carboxylates and the crystal structures of $[SbPh_3(O_2CCF_3)_2]_2O$ and $[SbMe_3(O_2CCH_3)_2]_2O$, 271
NMR spectroscopy
Interaction of methylmercury(II) with the bifunctional ligand *o*-diphenylphosphinobenzoate, dpb. Synthesis and characterization of [(dpb)HgMe] and [(dpbo)HgMe], dpbo = *o*-diphenylphosphinoxidebenzoate, 255
Phosphor(III)- und Phosphor(V)-Verbindungen mit Ferrocenolato- und 1,1′-Ferrocendiolato-Substituenten, 187
NMR-spectroscopy
Komplexkatalyse: LIII. Darstellung und Charakterisierung der Bis(η^3-allyl)lanthanhalogenid-Komplexe $La(\eta^3\text{-}C_3H_5)_2X \cdot 2THF$ (X = Cl, Br, I) als Präkatalysatoren für die stereospezifische Butadienpolymerisation, ein Beitrag zur weiteren Klärung der katalytischen Struktur-Wirkungsbeziehung, 201

Olefin Epoxidation
Methyltrioxorhenium/pyrazole—A highly efficient catalyst for the epoxidation of olefins, 293
Organotin hydrides
1,2-Asymmetric induction in the radical addition of organotin hydrides to (−)-menthyl(*E*)-2,3-disubstituted propenoates, 151

Palladium
Influences of the electronic and steric effects of the substituents in cyclopalladation of ferrocenylhydrazones, 211
Palladium catalysis
A survey of reaction conditions for palladium-catalyzed processes, 141
Phosphido
Reactions of dinuclear and polynuclear complexes XIX. Rearrangements of terminal or disubstituted alkyne ligands present in homo- and heterodinuclear complexes of cobalt and molybdenum during reactions with molybdenum and cobalt carbonyl compounds: formation of trinuclear and tetranuclear clusters, 89
Phosphine complexes
Interaction of methylmercury(II) with the bifunctional ligand *o*-diphenylphosphinobenzoate, dpb. Synthesis and characterization of [(dpb)HgMe] and [(dpbo)HgMe], dpbo = *o*-diphenylphosphinoxidebenzoate, 255
Phosphite
Mixed-metal cluster chemistry VIII[1]: phosphite substitution at $[CpWIr_3(CO)_{11}]$; X-ray crystal structure of $[CpWIr_3(\mu\text{-}CO)_3(CO)_6\{P(OPh)_3\}_2]$, 25
Phosphorus
Phosphor(III)- und Phosphor(V)-Verbindungen mit Ferrocenolato- und 1,1′-Ferrocendiolato-Substituenten, 187
Platinum
Stereochemically non-rigid transition metal complexes of 2,6-bis[1-(phenylimino)ethyl]pyridine (BIP). Part 3. Dynamic NMR studies of *fac*-$[PtXMe_3(BIP)]$ (X = Cl, Br, or I). Crystal structure of *fac*-$[PtIMe_3(BIP)]$, 35
Polysilanes
Photoreaction dynamics of permethylcyclohexasilane $(Me_2Si)_6$ via triplet state surface: A direct MO dynamics study, 161

Propargylamine
Reactivity of $Fe_3(CO)_9(\mu_3\text{-}C_2Et_2)$. Synthesis and structures of $Fe_2(CO)_6\{C_2Et_2C[CH_2N(Me)CH_2Ph]CH\}$ and $Fe_3(CO)_8\{C_2Et_2C(H)C[CH_2N(Me)CH_2Ph]\}$, 113
Pyrazole
Methyltrioxorhenium/pyrazole—A highly efficient catalyst for the epoxidation of olefins, 293

Rhenium
Photochemical reaction of $Re_2(CO)_{10}$ with tetramethylthiourea; structural characterization of two novel pentarhenium carbonyl complexes containing sulfido and tetramethyldiaminocarbene ligands, $[Re_5(CO)_{17}(\mu\text{-}R)(\mu_4\text{-}S)_2\{C(NMe_2)_2\}_2]$ (R = SH or OH), 285
Rhodium
Activation of C–F and C–H bonds by polyalkylcyclopentadienylrhodium complexes: crystal structure of $[(\eta^5\text{-}C_5Me_4Et)RhCl\{(C_6F_5)_2PCH_2CH_2P(C_6F_5)_2\}]^+ \cdot BF_4^-$, 67
The synthesis and NMR spectroscopic examination of coordination complexes of 2-telluraindane with rhodium, 279
Ring loss
Synthesis of new mixed ring zirconocenes and evidence of ring loss, 1
Ruthenium complexes
Different reactivity of the Ru–O bond in the chelated [(methoxyethyl)diphenylphosphine]ruthenium(II) complexes $[(\eta^6\text{-}C_6Me_6)Ru(P^{\frown}O)X][BR_4]$ in dependence on X = Cl and CH_3, 247

Sulfido
Photochemical reaction of $Re_2(CO)_{10}$ with tetramethylthiourea; structural characterization of two novel pentarhenium carbonyl complexes containing sulfido and tetramethyldiaminocarbene ligands, $[Re_5(CO)_{17}(\mu\text{-}R)(\mu_4\text{-}S)_2\{C(NMe_2)_2\}_2]$ (R = SH or OH), 285
Sulfones
Nucleophilic additions of phenylsulfonyl-substituted tricarbonyl(1,3-cyclohexadiene)iron complexes, 227
Synthesis
New O- and N-bonded zirconocene complexes and their catalytic properties in ethylene polymerization. X-ray crystal structure of $(C_5H_5)_2Zr\{2,6\text{-}OC_6H_3(CH_3)_2\}_2$, $(C_5H_5)_2Zr\{2,4,6\text{-}OC_6H_2(CH_3)_3\}_2$ and $(C_5H_5)_2Zr(CH_3)\{CH(NC_6H_5)_2\}$, 177

Telluraindane
The synthesis and NMR spectroscopic examination of coordination complexes of 2-telluraindane with rhodium, 279
^{125}Te-NMR
The synthesis and NMR spectroscopic examination of coordination complexes of 2-telluraindane with rhodium, 279
Tetramethyldiaminocarbene
Photochemical reaction of $Re_2(CO)_{10}$ with tetramethylthiourea; structural characterization of two novel pentarhenium carbonyl complexes containing sulfido and tetramethyldiaminocarbene ligands, $[Re_5(CO)_{17}(\mu\text{-}R)(\mu_4\text{-}S)_2\{C(NMe_2)_2\}_2]$ (R = SH or OH), 285
Thiamacrocycle
The transition-metal complexes of the thiamacrocycle containing two ferrocene nuclei in the main chain. Synthesis, properties, and molecular structure of Ag(I), Cu(I), Pd(II), and Pt(II) complexes of 1,5,16,21-tetrathia[5.5]ferrocenophane, 167
Ti–alkyl
Characterization of an agostic bond on the basis of the electron density, 101
Titanocene
Titanocenes and zirconocenes with (chiral) *O*-functionalized side chains on the Cp ring, 5
Topological analysis
Characterization of an agostic bond on the basis of the electron density, 101
Transition-metal complexes
The transition-metal complexes of the thiamacrocycle containing two ferrocene nuclei in the main chain. Synthesis, properties, and molecular structure of Ag(I), Cu(I), Pd(II), and Pt(II) complexes of 1,5,16,21-tetrathia[5.5]ferrocenophane, 167
Triisopropylsiloxy
Bis(triisopropylsiloxyindenyl) zirconocenes, 127
Triplet state
Photoreaction dynamics of permethylcyclohexasilane $(Me_2Si)_6$ via triplet state surface: A direct MO dynamics study, 161
Tripodal ligands
Tripod-Liganden mit Cyclopentadienyl-Donorgruppe: Aufbau und Reaktionen des Tripod-Mo-Templats $CH_3C(CH_2\text{-}\eta^5\text{-}C_5H_4)(CH_2PPh_2)_2Mo$, 119
Tungsten
Mixed-metal cluster chemistry VIII[1]: phosphite substitution at $[CpWIr_3(CO)_{11}]$; X-ray crystal structure of $[CpWIr_3(\mu\text{-}CO)_3(CO)_6\{P(OPh)_3\}_2]$, 25
Stabilization of 17-electron metal-centered species. Electrochemical study of $[WX(CO)_3(\eta^5\text{-}C_5H_5)]$ (X = Cl, Br, I) and $[WI(CO)_2(PCy_3)(\eta^5\text{-}C_5H_5)]$, 57

Ullmann reaction
A survey of reaction conditions for palladium-catalyzed processes, 141

X-ray diffraction
The tetracyclopentadienyls of titanium, zirconium and hafnium: new synthetic procedures and reactivity, 49
X-ray structure analysis
Phosphor(III)- und Phosphor(V)-Verbindungen mit Ferrocenolato- und 1,1′-Ferrocendiolato-Substituenten, 187

Zirconium
Synthesis of new mixed ring zirconocenes and evidence of ring loss, 1
The tetracyclopentadienyls of titanium, zirconium and hafnium: new synthetic procedures and reactivity, 49
Zirconocene
Titanocenes and zirconocenes with (chiral) *O*-functionalized side chains on the Cp ring, 5
Zirconocene compounds
New O- and N-bonded zirconocene complexes and their catalytic properties in ethylene polymerization. X-ray crystal structure of $(C_5H_5)_2Zr\{2,6\text{-}OC_6H_3(CH_3)_2\}_2$, $(C_5H_5)_2Zr\{2,4,6\text{-}OC_6H_2(CH_3)_3\}_2$ and $(C_5H_5)_2Zr(CH_3)\{CH(NC_6H_5)_2\}$, 177